

# A2-Central Catalog

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September 1990

## TimeOut-Central

### Birth Announcement!

**Date:** August 7, 1990  
**Height:** 3.5 inches  
**Weight:** 7/10 of an ounce  
**Name:** *TimeOut-Central*

We're pleased to announce that the first issue of *TimeOut-Central* is ready for distribution.

*TimeOut-Central* is an 800K, 3.5-disk-based publication devoted to AppleWorks and TimeOut. *TimeOut-Central* will be published every other month. Its editor is Richard Marchiafava, author of the "AppleWorks Advisor" column that has appeared monthly for the past several years in user-group newsletters around the world.

Our new publication is named after Beagle Bros' famous *TimeOut* series of AppleWorks add-ons. Through our contacts at Beagle, at Claris, and in schools, offices, and homes around the world, we're able to bring you the latest news and the tips and tricks about *AppleWorks* and *TimeOut*. And because *TimeOut-Central* is a disk-based publication, we can send you not just text, but complete computer files—actual word processor documents, spreadsheets, and data bases.

Each issue will include a column by Marchiafava, letters from readers, and samples of the world's best AppleWorks files. (If you'd like to contribute, contact Marchiafava at **A2-Central**.)

#### Subscription prices

1-year	(6 issues)	.....TO-1	\$42
2-years	(12 issues)	.....TO-2	\$81
3-years	(18 issues)	.....TO-3	\$117

## New Stuff

### Software

#### Outline 3.0 **NEW!**

By Randy Brandt. Outline 3.0 is an integrated Outliner for the AppleWorks 3.0 word processor. It modifies your copy of AppleWorks so that the Outliner is always there when you need it.

From a word processor document, you simply press open-apple+. You'll see the word "OUTLINER" at the top of the screen.

Outline supports six levels of topics and five label options, including custom (design your own). You can arrange topics in ascending or descending order, you can bump topics up or down a level, you can collapse or expand an entire outline or zoom to a specific level. Text can be added to topics and can be displayed or hidden.

JE-008 Outline 3.0 \$39.00

#### Pathfinder

By Randy Brandt. Pathfinder replaces the "Format a Blank Disk" option on the AppleWorks 3.0 "Other Activities" menu. It allows you to lock, unlock, and rename files, to delete subdirectories, and to easily add and drop subdirectories to or from the current directory.

The disk also comes with the TimeOut application PathMaster, by Mark Munz, which gives an alternate way to add and drop subdirectories.

JE-005 Pathfinder \$20.00

#### Nite Owl Journal 3.5

Nite Owl's best programs from the last six years on one 3.5 disk. Includes the Applesoft development tools DAS Editor, Quick Index program selector, Screen Editor, PicturePacker, and ImageWriter graphics dumper. Also includes a mix of productivity, educational and

entertainment software such as Video Poker, Word Chase, Block Busters, Shadowforge, Mail Label Writer, and Poetry Writer.

NO-002 Nite Owl Journal 3.5 \$12.95

#### Wraith: Devil's Demise **NEW!**

Joe Weishaar (age 9) has been playing this game continuously since we got our copy. He says it's better than Nintendo! He's been finding secret passageways and treasure chests in three cities, three castles, the Well of Souls, and Ancient Mines. He also says not to go into the toilets unless you're sure there's nobody in there or you'll have a fight on your hands.

For a much longer review, see Neil Shapiro's "More Orcs for Your Bucks" in the July 1990 *Nibble*, page 11.

NO-003 Wraith (3.5 disk only) \$12.95

### Hardware

#### PRICE REDUCTIONS!

Our suppliers have reduced prices on a number of items, particularly RAM chips and hard disk parts. If you've checked our prices before and thought we were too expensive, check again! And don't forget that shipping and handling are free on most items, we have no restocking fee, we offer free technical support, and we guarantee compatibility with your equipment.

#### Supra 2400 International Modem

A 220 volt version of our favorite modem.

SC-002 Supra 2400 Modem \$139.00

#### Magnavox RGB Monitor **NEW!**

IT'S HERE! Magnavox has just come out with an updated version of the Ilgs RGB monitor that we carried for a few months this spring before they sold them all. It's great! Not only is it Ilgs compatible (cable required, see below), it's cheaper than AppleColor, it can be directly connected to any NTSC or S-VHS device, such as a VCR, video camera, videodisk, or your Apple II's round video connector (cable included). Also see January 1990 catalog. (115 volts, NTSC)

DC-003	Magnavox RGB Monitor	\$349.00
RC-005	RGB cable for Ilgs	\$23.00
SHIP	Surface to Canada, AP0	\$20.00

#### CIRTECH Primo Multifunction Ilgs RAM Card **NEW!**

CIRTECH's Primo is a new 1 to 4 megabyte RAM card for the Apple Ilgs that is fully DMA compatible. It comes with a connector that will allow you to add either a SCSI connector or an internal hard drive that will appear to the system as a ROM disk. Also includes software for using the Ilgs control panel RAMdisk with DOS 3.3.

CT-P0	Primo 0K (no RAM)	\$99.00
CT-P1	Primo 1 Meg	\$169.00
CT-P2	Primo 2 Meg	\$239.00
CT-P4	Primo 4 Meg	\$379.00

### Books

#### The Apple II Hard Disk Primer

By Gary R. Morrison. This is a great how-to book for users who have just purchased a hard disk drive, for those thinking about buying one, and for hard disk owners who

## New Stuff, Continued

want to get more from their investment. Chapters in the book compare the different types of hard drives and take you through the step-by-step procedures necessary to install and configure a hard disk drive. Other chapters describe how to use hard disk management programs, how to install programs on the drive, and suggest ways to back up and optimize a drive.

(Pricing note—this book is published by the National AppleWorks User Group, which sells the book to its members for \$14.95 plus \$3 shipping. We have it at the group's non-member price of \$16.95, but as with most of our products, shipping and handling is free. You'll get the book from us for \$1 less than NAUG members! We mention this only because many of our customers don't seem to appreciate the value of our "free shipping" policy.)

**NA-002 Apple Hard Disk Primer \$16.95**

### Pascal for BASIC Programmers

By Charles Seiter and Robert Weiss. This is an introduction to Pascal. It includes a one-chapter "mini-course" as well as more extended discussions. Has program examples in Microsoft Basic and UCSD Pascal.

**AW-037 Pascal for Basic Prgrms \$12.95**

### A Bit of Applesoft BASIC

By Margot Critchfield and Thomas A. Dwyer. A gentle introduction to Apple II computing in general and Applesoft in particular.

**AW-040 Bit of Applesoft \$9.95**

### Applesoft BASIC Toolbox

By Larry G. Wintermeyer. Picks up where Applesoft tutorials leave off. Extended discussion of storing data on disk under DOS 3.3.

**AW-038 Applesoft Toolbox \$9.95**

### Microcomputer Graphics for the Apple Computer

By Roy E. Myers. Fully explains the capabilities of standard Apple II high-resolution graphics. Includes more than eighty programs that illustrate the concepts described. Requires only elementary math; includes hidden line and hidden surface routines and routines for the scaling, rotation and translation of images. Also introduces animation techniques.

**AW-039 Graphics for Apple \$9.95**

## Hot Stuff Sale

Prices expire August 31. See last month's catalog for full details

### 2400 Baud SupraModem & Talk Is Cheap & cable

**A2-S1 Summer modem bundle \$149.95**

### HyperStudio & Stack-Central

	Stack-Central	Stack-Cntrl only	Stack-Cntrl & HyperStudio
1-year (6 issues)	SC-1 \$42	SCWH-1 \$116	
2-year (12 issues)	SC-2 \$81	SCWH-2 \$155	
3-year (18 issues)	SC-3 \$117	SCWH-3 \$191	

### Little: Exploring the Apple IIgs

**AW-017 Exploring the Apple IIgs \$9.95**

### Assembly Language for the Applesoft Programmer

**AW-012 Asm Lang for Applesoft Prog \$9.95**

## The A2 Hardware Shelf

### Batteries

**NO-001 Nite Owl Slide-On Battery Kit for IIgs (see 3/90) \$14.95**

### Cables (required with modem or printer)

**RC-001 8' cable for IIgs/IIc-Plus (see 1/90) \$15.00**  
**RC-002 8' cable for older IIc (see 1/90) \$15.00**  
**RC-003 8' cable for serial cards (see 1/90) \$15.00**

### Fans

**CTFAN-E CIRTECH Cool-It fan for Apple IIe (see 1/90) \$49.00**  
**CTFAN-GS CIRTECH Cool-It fan for Apple IIgs (see 1/90) \$49.00**

### Math Co-Processors

**IS-001 Floating Point Engine (see 4/90) \$249.00**

### Modems

**CD-002 Modem bundle: SC-001, CS-001, and 1 cable \$169.00**  
**SC-001 Supra 2400 baud external modem (120 volts) (see 1/90) \$129.00**  
**SC-002 Supra 2400 baud external modem (220 volts) (see 9/90) \$139.00**  
**CS-001 Talk Is Cheap & GEnie Master software (see 3/90) \$40.00**

### Monitors

**DC-003 Magnavox RGB Monitor for IIgs (see 9/90) \$349.00\***  
**RC-005 IIgs RGB cable for Magnavox monitor \$23.00**  
**\* 120 volts. Surface shipping to Canada or APO/FPO adrs \$20.00**

### Network Connectors

**OE-001 ModuNet 8-pin for IIe, IIgs, new Macs (see 1/90) \$34.95**  
**OE-002 ModuNet 9-pin for old LaserWriters, old Macs (see 1/90) \$34.95**

### Printers

**LC-001 Laser 190A serial printer (see 1/90) \$249.00\***  
**LC-003 Laser 190A parallel printer (see 1/90) \$199.00\***  
**LC-006 tractor feed attachment (see 1/90) \$59.95**  
**LC-007 5 ribbons (also fit Epson LX-series, Olympia NP30) \$14.95**  
**\* 120 volts. Surface shipping to Canada or APO/FPO adrs \$25.00**

### Speakers

**DR-002 SVI MA-100 speakers for the IIgs (see 1/90) \$129.00\***  
**\* 120 volts. Surface shipping to Canada or APO/FPO adrs \$20.00**

### 3.5 Disk Drives

**AM-001 AMR 3.5 drive (see 1/90) \$189.00**  
**AM-002 Laser 3.5 drive controller for IIe (see 1/90) \$59.00**

### Internal Hard Disk Drives

**CT-CID20 CIRTECH 20-meg internal hard drive (see 5/90) \$695.00**  
**CT-CID40 CIRTECH 40-meg internal hard drive (see 5/90) \$895.00**

### External Hard Disk Parts

**CT-SC CIRTECH SCSI card (see 1/90) \$109.00**  
**AP-001 Apple High-Speed SCSI card (see 5/90) \$119.00**  
**CV-001 RAMfast SCSI card (see 7/90) \$219.00**  
**DC-001 Leadman case; 120 or 220V, 60W (see 1/90) \$124.00\***  
**RC-004 SCSI cable, drive to SCSI card (see 1/90) \$30.00**  
**DC-002 Seagate ST-296N-1 80meg SCSI assembly (see 1/90) \$519.00\***  
**DC-006 SyQuest removable media hard drive (see 6/90) \$649.00\***  
**DC-007 42+-meg cartridge for SyQuest drive (see 6/90) \$119.00**  
**CD-001 80-Meg hard drive easy-order bundle (see 1/90) \$649.00\***  
**includes DC-001, DC-002, RC-004,**  
**\* Surface shipping to Canada or APO/FPO adrs \$25.00**  
**\* Surface shipping to other points outside U.S. \$30.00**

### Memory Cards

#### CIRTECH StatDisk--for IIe or IIgs standard slots

**SD-4 512K (see 10/88) \$389.00**  
**SD-8 1 Meg \$699.00**

#### CIRTECH plusRAM PR-16--for IIe or IIgs standard slots

**PR-16-1 1 Meg (see 9/88) \$359.00**

#### CIRTECH Primo--for IIgs memory expansion slot

**CT-P0 OK (no memory installed) (see 9/90) \$99.00**  
**CT-P1 1 Megabyte \$169.00**  
**CT-P2 2 Megabytes \$239.00**  
**CT-P4 4 Megabytes \$379.00**

#### Chinook RAM 4000--for IIgs memory expansion slot

**CH-002-0 OK (no memory installed) (see 5/90) \$99.00**  
**CH-002-1 1 Megabyte \$169.00**  
**CH-002-2 2 Megabytes \$239.00**  
**CH-002-4 4 Megabytes \$379.00**

#### Memory chips

**DRAM-1 Set of 8 1-meg chips for PR-16 or GS-8 \$70.00**  
**SRAM-32 Set of 2 chips for StatDisk (64K) \$30.00**

# The A2 Software Shelf

## AppleWorks

JE-008	<b>Outline 3.0 (AppleWorks 3.0)</b>	(see 9/90)	\$39.00
JE-001	<b>FlexiCal (AppleWorks 2.x or 3.0)</b>	(see 7/90)	\$30.00
JE-004	<b>Mr. Invoice (AppleWorks 3.0)</b>	(see 7/90)	\$40.00
JE-005	<b>Pathfinder (AppleWorks 3.0)</b>	(see 7/90)	\$20.00
JE-006	<b>SpellCopy (AppleWorks 3.0)</b>	(see 7/90)	\$12.50
JE-007	<b>DoubleData (AppleWorks 3.0)</b>	(see 7/90)	\$30.00
QC-001	<b>SuperPatch (AppleWorks 2.x or 3.0)</b>	(see 3/90)	\$39.95
BB-004	<b>Beagle AppleWorks 3.0 Companion</b>	(see 5/90)	\$39.95

## Data Base Software

SE-001	<b>DB Master Professional</b>	(see 1/90)	\$245.00
SE-002	<b>DB Master Programmer's Pak</b>	(see 5/90)	\$129.00

## Development Software

SS-007	<b>Genesys (GS/OS Resource Creator/Editor)</b>	(see 6/90)	\$99.00
MD-001	<b>MD-Basic (Applesoft pre-compiler)</b>	(see 5/90)	\$49.95
MD-002	<b>Object Module Manager</b>	(see 8/90)	\$24.95
BB-003	<b>Program Writer (Applesoft program editor)</b>	(see 1/90)	\$37.50
BB-002	<b>Beagle Compiler (ProDOS Applesoft compiler)</b>	(see 1/90)	\$59.00
MS-002	<b>Micol Advanced BASIC for IIe/IIc</b>	(see 1/90)	\$89.00
MS-001	<b>Micol Advanced BASIC for the IIGS</b>	(see 1/90)	\$99.00
RW-002	<b>Merlin 8/16 (DOS 3.3, ProDOS 8, GS/OS)</b>	(see 1/90)	\$99.00
AW-033	<b>Programmer's Online Companion for the IIGS</b>	(see 1/90)	\$37.50

## Games

JE-002	<b>I.O. Silver (5.25 only)</b>	(see 7/90)	\$20.00
NO-002	<b>Wraith: Devil's Demise (3.5 only)</b>	(see 9/90)	\$12.95

## Graphics

JE-003	<b>MiniPaint (for IIGS)</b>	(see 7/90)	\$25.00
RW-004	<b>Graphics Exchange (for IIGS)</b>	(see 1/90)	\$37.50

## Hyper Media

RW-005	<b>HyperStudio (for IIGS)</b>	(see 1/90)	\$99.95
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## Education

DR-001	<b>Diversi-Tune (for IIGS)</b>	(see 1/90)	\$59.00
SB-001	<b>GSNumerics (for IIGS)</b>	(see 4/90)	\$139.95

## Fonts

FC-001	<b>A2-Central Font Collection</b>	(see 3/90)	\$39.00
<b>8 3.5 disks of fonts in ShrinkIt format</b>			

## Telecommunications

CS-001	<b>Talk Is Cheap &amp; GEnie Master</b>	(see 3/90)	\$40.00
TH-001	<b>GEnie Master (requires AppleWorks 2.X)</b>	(see 3/90)	\$20.00

## Utility Software

SS-006	<b>Cross-Works (ProDOS&lt;—&gt;MS-DOS)</b>	(see 4/90)	\$79.95
FD-001	<b>Fastdata Pro (full-text search utility)</b>	(see 1/90)	\$49.95
GB-001	<b>Prosel 8 (for IIe/IIc)</b>	(see 1/90)	\$40.00
GB-002	<b>Prosel 16 (for IIGS, includes Prosel 8 features)</b>	(see 1/90)	\$60.00
RW-003	<b>SoftSwitch (program switcher for IIGS)</b>	(see 1/90)	\$45.00
RW-006	<b>MacroMate (universal macros for IIGS)</b>	(see 1/90)	\$37.50
NO-003	<b>Night Owl Journal 3.5</b>	(see 9/90)	\$12.95

# The A2 Paraphernalia Shelf

A2-001	<b>10 generic blank 3.5 disks</b>	(see 6/90)	\$9.49
A2-002	<b>100 blank, continuous 3.5 disk labels</b>	(see 6/90)	\$1.99
A2-003	<b>10 Static-Guard binder storage pages for 3.5 disks</b>		\$9.97

# The A2 Book Shelf

## General Interest Books

### Introductory

TS-001	<b>Bear: Computer Wimp</b>	(see 8/88)	\$9.95
CB-001	<b>Freiberger: The IIc, Your First Computer</b>	(see 6/88)	\$9.95

### Desktop Publishing

TB-008	<b>Homan: The Print Shop Project Book</b>	(see 12/89)	\$15.95
WG-001	<b>White: Graphic Design for the Electronic Age</b>		\$24.95

### Other

IN-001	<b>Day: The Hacker (novel)</b>	(see 3/90)	\$3.95
IN-003	<b>Menu Software Guide for Apple II</b>	(see 3/90)	\$19.95
BC-001	<b>Price: How to Write a Computer Manual</b>	(see 3/89)	\$33.50
AW-013	<b>Snyder: In Search of Amazing Thing</b>	(see 6/88)	\$10.95
IB-001	<b>Weishaar: Your Best Interest</b>	(see 6/88)	\$9.95

## AppleWorks Books

SY-008	<b>Ericson: AppleWorks, Tips and Techs</b>	(see 6/88)	\$19.95
DS-003	<b>disk for this book</b>	(see 8/88)	\$12.00
IN-004	<b>Wilkin: Best Book of AppleWorks</b>	(see 5/90)	\$21.95
NA-001	<b>Munz: UltraMacros Primer</b>	(see 3/90)	\$19.95
CE-001	<b>Thomas: ClassWorks</b>	(see 8/88)	\$45.00
IN-006	<b>Aron: Using AppleWorks (Que)</b>	(see 6/90)	\$21.95
MR-010	<b>Matthews: AppleWorks Made Easy</b>	(see 7/88)	\$18.95
SY-007	<b>Tymes: Mastering AppleWorks</b>	(see 6/88)	\$21.95
IN-005	<b>Murray: Using AppleWorks GS (Que)</b>	(see 6/90)	\$21.95
AW-027	<b>Brown: Using AppleWorks GS (Add-Wes)</b>		\$19.95

## Working with Printers

### Technical References

AW-008	<b>Apple: ImageWriter II Technical Reference</b>	\$19.95
AW-025	<b>Apple: ImageWriter LQ Technical Reference</b>	\$22.95
AW-028	<b>Apple: LaserWriter Reference</b>	\$19.95
SY-003	<b>Campbell: The RS-232 Solution, 2nd Ed</b>	(see 6/88) \$21.95
CP-001	<b>East: Handbook of Printer Commands (3 vols)</b>	\$89.95

### Troubleshooting and Repair

HS-004	<b>SAMS Computerfacts: ImageWriter I</b>	\$24.95
HS-008	<b>SAMS Computerfacts: ImageWriter II</b>	\$24.95

## Science/Electronics Books

VS-001	<b>Vernier: Build a Better Mousetrap</b>	(see 7/88)	\$24.95
TB-003	<b>Pellini et al: Science On Your Apple</b>	(see 6/88)	\$14.95
TB-004	<b>Horn: Smart Apples</b>	(see 6/88)	\$12.95

## Working with Classic Apples

### Applesoft

AW-040	<b>Critchfield/Dwyer: Bit of Applesoft</b>	(see 9/90)	\$9.95
AW-038	<b>Wintermeyer: Applesoft Toolbox</b>	(see 9/90)	\$9.95
AW-010	<b>Apple: Applesoft Tutorial (w/disk)</b>		\$29.95
AW-021	<b>Apple: Applesoft Programmer's Reference</b>		\$22.95
AW-039	<b>Myers: Graphics for the Apple II</b>	(see 9/90)	\$9.95
SE-001	<b>Miller: Mastering Applesoft Graphics</b>	(see 6/89)	\$18.95

### Pascal

AW-037	<b>Seiter/Weiss: Pascal for Basic Prgmrs</b>	(see 9/90)	\$12.95
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### ProDOS 8

AW-024	<b>Apple: BASIC Programming with ProDOS (w/disk)</b>	\$29.95
AW-023	<b>Apple: ProDOS 8 Tech Ref (w/disk)</b>	\$29.95
QS-001	<b>Worth: Beneath Apple ProDOS</b>	(see 8/88) \$19.95
TB-006	<b>Doms/Weishaar: ProDOS Inside and Out</b>	(see 6/88) \$16.95
DS-002	<b>disk for this book</b>	\$10.00

### 6502 Assembly Language

AW-012	<b>Finley/Myers: Asm Lang for Applesoft Prgmmer</b>	\$18.95
RW-001	<b>Wagner: Assembly Lines: The Book</b>	(see 6/88) \$19.95
DS-004	<b>disk for this book</b>	\$15.95
MR-008	<b>Leventhal: 6502 Subroutines</b>	\$19.95

### Technical References

AW-003	<b>Apple: Apple II Technical Reference</b>	\$24.95
AW-004	<b>Apple: Apple IIc Technical Reference</b>	\$24.95
LC-005	<b>Laser: Laser 128 Technical Reference</b>	\$29.95

### Troubleshooting and Repair

HS-002	<b>SAMS Computerfacts: IIe</b>	\$24.95
HS-005	<b>SAMS Computerfacts: IIc</b>	\$39.95
HS-003	<b>SAMS Computerfacts: Disk II</b>	\$24.95
HS-006	<b>Brenner: Apple II Troubleshooting/Repair Guide</b>	\$19.95

## Working with the Apple IIGS

### Stack Authoring

AW-034	<b>Apple: Hypercard Stack Design</b>	\$16.95
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### Apple IIGS Technical Library

AW-018	<b>Apple: Technical Introduction to the Apple IIGS</b>	\$9.95
AW-011	<b>Apple: Programmer's Intro to IIGS (w/disk)</b>	\$32.95
AW-022	<b>Apple: Apple IIGS Firmware Reference</b>	\$24.95
AW-002	<b>Apple: Apple IIGS Hardware Reference</b>	\$26.95
AW-019	<b>Apple: Apple IIGS Toolbox Reference, Vol 1</b>	\$26.95
AW-006	<b>Apple: Apple IIGS Toolbox Reference, Vol 2</b>	\$26.95
AW-036	<b>Apple: Apple IIGS Toolbox Reference, Vol 3</b>	\$39.95

### GS/OS, ProDOS 16

AW-020	<b>Apple: ProDOS 16 Reference (w/disk)</b>	\$29.95
AW-026	<b>Little: Exploring Apple GS/OS and ProDOS 8</b>	\$21.95
DS-006	<b>disk for this book (3.5)</b>	\$15.00

### 65816 Assembly Language

CB-002	<b>Wagner: IIGS Machine Lang for Beginners</b>	\$19.95
DS-005	<b>disk for this book (3.5)</b>	\$15.95
SS-005	<b>Lichty/Eyes: Programming the IIGS in Asm Lang</b>	\$29.95
DS-008	<b>disk for this book (3.5)</b>	\$20.00

### Other Technical References

AW-001	<b>Apple: Apple Numerics Reference (new edition)</b>	\$29.95
AW-014	<b>Apple: Human Interface Guidelines</b>	\$14.95
CB-005	<b>Gookin/Davis: Mastering the IIGS Toolbox</b>	\$19.95
CB-007	<b>Gookin/Davis: Adv Prog Tech for IIGS Toolbox</b>	\$19.95
AW-017	<b>Little: Exploring the Apple IIGS</b>	(see 6/88) \$22.95
DS-007	<b>disk for this book (3.5)</b>	\$20.00
MR-001	<b>Fischer: Apple IIGS Tech Ref</b>	(see 6/88) \$19.95

## Working with AppleTalk

AW-030	<b>Apple: Understanding Computer Networks</b>	\$9.95
AW-031	<b>Apple: AppleTalk Network System Overview</b>	\$14.95
AW-035	<b>Apple: Inside AppleTalk</b>	\$34.95
IN-002	<b>Hands on AppleTalk</b>	(see 3/90) \$21.95

# Subscriptions, Back Issues, Ordering Information

## A2-Central

**A2-Central** (formerly **Open-Apple**) has been published monthly since January, 1985. Single back issues are \$2 each. Bound, indexed annual volumes are \$14.95. A full set of bound volumes and single issues for the current year is available for \$39.

The **Full-Text on Disk** version of our back issues is shipped on 3.5 disks and takes up about 4 megabytes of hard disk storage. Includes text-talking software or use with full-text search software such as *Fastdata Pro* or *Prosel*.

### Bound, indexed back issue volumes

OA-001	Vol. 1	Jan 1985-Jan 1986	\$14.95
OA-002	Vol. 2	Feb 1986-Jan 1987	\$14.95
OA-003	Vol. 3	Feb 1987-Jan 1988	\$14.95
OA-004	Vol. 4	Feb 1988-Jan 1989	\$14.95
OA-005	Vol. 5	Feb 1989-Jan 1990	\$14.95

### Full Set Specials (every issue ever published)

FS-N	All five volumes and current singles	\$39.00
FS-D	Our full text on 3.5 disks	\$39.00

## Stack-Central

**Stack-Central** has been published every other month since January, 1990. Each issue consists of two 800K, 3.5 disks and includes a *HyperStudio* stack containing editor Terry Baker's tips, tricks, and letters from readers for that month. Each issue also includes public domain and shareware stacks. Specific issues contain sounds, xcmds, and other material you can use in your own stacks.

**Stack-Central** back issues are available for \$10 each.

## TimeOut-Central

**TimeOut-Central** has been published every other month since August, 1990. Each issue consists of one 800K, 3.5 disk and includes a column by the editor, Richard Marchiafava, letters from readers, as well as public domain and shareware AppleWorks and TimeOut files.

**TimeOut-Central** back issues are available for \$10 each.

## A2-Central on disk

**A2-Central** disks have been published monthly since February, 1989. Each 800K, 3.5 disk contains the full text of that month's paper issue and text-talking software for blind subscribers. In addition, specific issues contain Apple system software and technical note updates and the world's best public domain and shareware software.

Listings of the contents of each disk have been published in previous catalogs as shown below:

catalog	disk issues
Aug 89	2/89 to 7/89
May 90	8/89 to 12/89
June 90	1/90 to 2/90
July 90	3/90 to 6/90

Disks are available in 3.5 format only.

### Quarterly sets

Our disks are available in quarterly sets of 3 for \$6 each:

A2-89S1	Quarterly disk set (Feb/March/April 89)	\$18.00
A2-89S2	Quarterly disk set (May/June/July 89)	\$18.00
A2-89S3	Quarterly disk set (Aug/Sept/Oct 89)	\$18.00
A2-89S4	Quarterly disk set (Nov/Dec/Jan 90)	\$18.00
A2-90S1	Quarterly disk set (Feb/March/April 90)	\$18.00
A2-90S2	Quarterly disk set (May/June/July 90)	\$18.00

### Annual sets

Our disks are available in annual sets of 12 for \$5 each:

A2-89FS	Annual disk set (Feb 89 to Jan 90)	\$60.00
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### Subscription conversions

Current newsletter subscribers can convert to a disk subscription. Figure out how many disks you'll get between the first one you want and the month your subscription expires (shown to the right of your address on our self-mailer order form) and send us \$4.75 per disk.

### New subscriptions

By subscription, our disks cost for less than what most user groups charge for public domain 3.5 disks, just 4.67 per disk ((\$84 - \$28) / 12).

## Subscriptions

The expiration date of your current subscription is shown on our self-mailer to the right of your name ("last issue").

We offer one-, two-, and three-year subscriptions to the paper-only version of **A2-Central**, to a paper-plus-3.5-disk version of **A2-Central**, and to the 3.5-disk based **Stack-Central** and **TimeOut-Central**.

Subscription prices	1 year	2 years	3 years
<b>A2-Central</b> 12 issues/year, paper only	\$28	\$54	\$78
<b>A2-Central (disk)</b> 12 issues/year, paper & 3.5 disk	\$84	\$162	\$234
<b>Stack-Central</b> 6 issues/year, 3.5 disk only	\$42	\$81	\$117
<b>TimeOut-Central</b> 6 issues/year, 3.5 disk only	\$42	\$81	\$117

Subscription prices include free AIR MAIL delivery world-wide.

## Ordering Information

If you received this catalog in the envelope with our newsletter, there was also a one-sheet self-mailer in the envelope. Your name, address, expiration date, and account number are already imprinted on one side of the self-mailer—on the other side you'll find an order form. Please use it to order stuff from us. When you fold and lick the form as shown, our address will be on the outside and it will be ready to stamp and mail. Please don't send us a photocopy of the form unless you **photocopy both sides**.

If you received this catalog without a self-mailer, write your order on a plain sheet of paper and send it to:

**A2-Central**  
**P.O. Box 11250**  
**Overland Park, KS 66207**

or call us:

Voice: 913-469-6502

Fax: 913-469-6507

# A2-Central Summer Conference Tapes

## Apple IIgs College

ATO-51	50 min	<b>GS/OS &amp; Toolbox Overview</b>
ATO-52	50 min	<b>Programming Strategies (same content as ATO-14)</b>
ATO-53	50 min	<b>Writing the Code</b>
ATO-54	50 min	<b>Debugging (same content as ATO-16)</b>
ATO-55	50 min	<b>Using a Test Plan</b>
ATO-56	50 min	<b>Appletalk (same content as ATO-07)</b>
ATO-58	50 min	<b>Seminar: Graphics</b>
ATO-59	50 min	<b>Seminar: Networking</b>
ATO-60	50 min	<b>Seminar: GS/OS, SCSI</b>
ATO-61	50 min	<b>Seminar: Development Tools</b>
ATO-62	50 min	<b>Seminar: Printing (same content as ATO-20)</b>

## Other Apple IIgs

ATO-01	50 min	<b>Apple IIgs System Software Update</b>
ATO-02	50 min	<b>New Apple IIgs Sound Tools</b>
ATO-03	50 min	<b>Unleashing the Sound of the IIgs</b>
ATO-04	50 min	<b>The Apple IIgs Animation Toolkit</b>
ATO-05	50 min	<b>Apple IIgs Animation Secrets</b>
ATO-06	110 min	<b>Sound and Animation Q &amp; A</b>
ATO-07	50 min	<b>AppleTalk: How to Make the Calls</b>
ATO-08	60 min	<b>(Apple)Talkin' 'bout My Generation</b>
ATO-09	50 min	<b>Genesys - In The Beginning</b>
ATO-10		Session cancelled, no tape
ATO-11	50 min	<b>New Apple II SCSI card</b>
ATO-12	50 min	<b>CD-ROM and the Apple II</b>
ATO-13	50 min	<b>Apple IIgs Media Integration</b>

ATO-14	50 min	<b>Apple IIgs Programming Tips</b>
ATO-15		Session cancelled, no tape
ATO-16	50 min	<b>Advanced Apple IIgs Debugging</b>
ATO-17	50 min	<b>Writing DAs, CDevs, and Inits</b>
ATO-18	50 min	<b>Creating Apple IIgs Device Drivers</b>
ATO-19		Session cancelled, no tape
ATO-20	50 min	<b>Printing and the Apple IIgs</b>
ATO-21	50 min	<b>Toast and the Human Interface</b>
ATO-22	50 min	<b>Working with the Apple IIgs Finder</b>
ATO-23	50 min	<b>Sex, Lies, and File Formats</b>
ATO-24	50 min	<b>IIgs Programming for the 1990s</b>
ATO-25	50 min	<b>Languages &amp; Tools from Byte Works</b>
ATO-26	50 min	<b>Developing with Micol Adv Basic</b>
ATO-35	50 min	<b>Introduction to Debugging</b>

## HyperStudio

ATO-27	50 min	<b>HyperStudio Stack Authoring</b>
ATO-28	50 min	<b>HyperStudio XCMDs</b>

## Cross Development

ATO-29	50 min	<b>2-For-1: Parallel Development</b>
ATO-30	50 min	<b>Working With The Enemy</b>
ATO-31	50 min	<b>Dynamo &amp; Pizzazz</b>

## 8-Bit

ATO-32	25 min	<b>Apple II and ProDOS 8 Update</b>
ATO-33	50 min	<b>8-Bit Development Environments</b>
ATO-34	50 min	<b>Using MD-BASIC</b>
ATO-36	50 min	<b>Stalking the Elusive Auxmem</b>
ATO-37	50 min	<b>Dev Systems for DB Master</b>

## UltraMacros

ATO-38	50 min	<b>Brandt on UltraMacros</b>
ATO-39	50 min	<b>UltraMacros Prgming for Developers</b>
ATO-40	50 min	<b>AWorks Routines from UltraMacros</b>

## Marketing

ATO-41	50 min	<b>Marketing for Small Developers</b>
ATO-42	50 min	<b>Turn Your Software Into Cash</b>
ATO-43	50 min	<b>The Road to Fame &amp; Fortune</b>

## Other

ATO-70	30 min	<b>Jane Lee luncheon speech</b>
ATO-71	50 min	<b>Dev Assn Meeting (Ralph Russo)</b>
ATO-72	50 min	<b>David Szelata luncheon speech</b>
ATO-44	50 min	<b>Laser Computer and Apple Technlgy</b>
ATO-45	50 min	<b>Extending the Life of the Apple II</b>
ATO-46	50 min	<b>Computing for the Handicapped</b>
ATO-47	25 min	<b>Where to Go for Apple Tech Info</b>
ATO-48	50 min	<b>Online Resources for Programmers</b>
ATO-49	50 min	<b>BBS Design and Operation</b>
ATO-50	50 min	<b>Computing in the USSR</b>
ATO-80	50 min	<b>SEA Software Tools</b>

## Tape Prices

number of tapes	price/each
1-5	\$7.00
6-11	\$5.66
12-24	\$5.33
25-49	\$4.96
50+	\$3.98

# A2-Central Catalog

Get the books, software, and equipment you need from the warmth of your own computer room. **No handling fees** or extra charges for surface shipping on most items, even though we ship within 24 hours. To order, use the self-mailer that was in the envelope with your newsletter.

October 1990

## GENie<sup>sm</sup>

As most of you already know, **A2-Central** manages the Apple II areas on GENie Services, the online information service owned and operated by General Electric. GENie has made some major announcements about pricing and international availability in the past few weeks, so we thought we'd highlight them here in our catalog.

There are two Apple II areas on GENie. The larger of the two is called the Apple II RoundTable, or "A2." The other is the Apple II Programmers and Developers RoundTable, or "A2Pro." Each area includes a library of the best Apple II-related software and data files you'll find anywhere. In addition to the library, each area has a bulletin board where you can get fast answers to your questions. Most of the leading Apple II-related companies provide customer support inside the A2 bulletin board. Each RoundTable also has real-time conference rooms.

### How to open an account on GENie

payment: Have your credit card number ready  
Invoice billing available in the U.S.—call the customer service number shown for more information.

#### United States

Set-up: Half Duplex (local echo) 300, 1200, or 2400 baud  
Dial: 1-800-638-8369  
Upon connection, enter: HHH  
At the "U#=" prompt, enter: XJM11797,CENTRAL (no spaces) and press RETURN  
Need help? For GENie customer service (voice) call 1-800-638-9636

#### Canada

Set-up: Half Duplex (local echo) 300, 1200, or 2400 baud  
Dial: Montreal .....514-333-1117 Toronto .....416-858-1230  
Vancouver .....604-253-8429 Calgary .....403-232-6121 (300/1200 baud only)  
Upon connection, enter: HHH  
At the "U#=" prompt, enter: XJM11797,CENTRAL (no spaces) and press RETURN  
Need help? For GENie customer service (voice) call 1-800-638-9636

#### Switzerland

Set-up: 8N1, Half Duplex (local echo) 1200 baud  
Dial: Zurich .....01-556821 Lausanne.....021-6174511  
Basel .....061-350523 Geneva.....022-7985566  
Upon connection, enter: HHH  
At the "U#=" prompt, enter: XJM11797,CENTRAL (no spaces) and press RETURN  
Need help? For GENie customer service (voice) call 2233-6091 (Huerth-Effern, West Germany)

#### Germany/Austria

Service Provider: DATEX-P  
Dial: Call GENie customer service at 2233-6091 (voice, Huerth-Effern, West Germany) for number of your local node and for access codes.  
At the "U#=" prompt, enter: XJM11797,CENTRAL (no spaces) and press RETURN  
Need help? For GENie customer service (voice) call 2233-6091 (Huerth-Effern, West Germany)

#### Japan

Service Provider: C&C VAN  
Dial: Call NEC Client Services at 03-452-9800 (voice) for number of your local node and for access codes  
At the "U#=" prompt, enter: XJM11797,CENTRAL (no spaces) and press RETURN  
Need help? For NEC customer service (voice) call 03-452-9800

#### Public Data Network Countries (PDN)

PDN country list: Australia Ireland Philippines Sweden  
Belgium Italy Portugal Taiwan  
Denmark Mexico Singapore United Kingdom  
Finland Netherlands South Africa  
France New Zealand South Korea  
Hong Kong Norway Spain  
Dial: Contact your local telephone company to get a PDN account number and to find out how to access the PDN  
Upon connection, enter: 3136900 (in some countries an additional 7 zeros may be required)  
At the "U#=" prompt, enter: XJM11797,CENTRAL (no spaces) and press RETURN  
Need help? For GENie customer service (email only) send a message to FEEDBACK. After you sign up, GENie will mail you a contract. The contract must be signed and returned before your account can be validated. You may fax the signed contract to GENie.

### GENie announces price reductions

As of Oct. 1, 1990, GENie's basic subscription rate in the U.S. will be \$4.95 per month. The basic subscription includes unlimited, non-prime time access to more than 100 products and services, including electronic mail, an online encyclopedia, single-player games, stock quotes, news, and weather. GENie calls these its Star Services.

While the basic rate does not include the Apple II RoundTables, GENie simultaneously announced a new non-prime hourly rate of \$6 per hour for all three speeds (300, 1200, and 2400 baud) to access services not covered by the basic subscription. This is a 40 per cent reduction from the previous 2400 baud non-prime time rate.

The hourly rate applies to all the personal computing RoundTables, software libraries, real time conferences, and multi-player games.

GENie also announced a new **money-back guarantee**. After trying GENie Star Services for one month, unsatisfied subscribers can cancel their membership and their \$4.95 subscription fee will be refunded. This offer applies only to first-time GENie subscribers, one per household.

### Expanded International Access

In addition, GENie announced that it is now available via the Public Data Network in 21 countries, in addition to its previous availability in the U.S., Canada, Austria, Japan, Switzerland, and West Germany.

The 21 countries with GENie availability through PDN are Australia, New Zealand, Mexico, Portugal, Spain, Ireland, the United Kingdom, France, Italy, Belgium, Netherlands, Denmark, Norway, Sweden, Finland, South Africa, Singapore, Hong Kong, the Philippines, Taiwan, and South Korea.

The new Star Services rate is not available in PDN countries, however, GENie's new low hourly rates do apply. PDN users will be billed separately by their local telephone company for PDN charges. The GENie charges will be billed, in U.S. dollars, to the subscriber's credit card.

### Join GENie free!

The former \$29.95 sign-up fee for the GENie service has also been eliminated for all new subscribers. As a result, there is no real cost to subscribe to the GENie service (Japan excluded), except for the first month subscription rate in the U.S. and Canada. The certificate and agreement numbers formerly assigned to **A2-Central** subscribers are no longer necessary, even though they appear on your order form.

### World-wide rates

As of October 1, 1990, in U.S. dollars except where noted:

	basic monthly rate	non-prime * per hour	prime per hour	sign-up fee
U.S.	\$4.95	\$6	\$18	free
Canada (in Canadian \$)	C\$ 5.95	C\$ 8	C\$ 25	free
Austria/Germany/Switzerland	NA	\$18	\$27	free
Japan (in Yen)	NA	Y 5400	Y 5400	Y 8000
PDN countries	NA	\$6	\$18	free

In PDN countries the phone company will bill you separately for PDN access

\* **Non-prime rates** apply Monday through Friday from 6 PM to 8 AM local time and all day Saturday, Sunday, and designated holidays. Hourly rates shown are billed in one-minute increments. Some U.S. GENie nodes in smaller cities carry an additional surcharge. GENie rates and services are subject to change. Some third party services offered on GENie may be subject to specific country restrictions or may carry additional charges. GENie is a service mark of General Electric Company, U.S.A.

## New Stuff

### Quickie Scanner

**NEW!**

You can use the Quickie Scanner to transfer images (such as drawings, cartoons, and photos) to standard Apple II graphic files. Load the scanned graphics into *HyperStudio*, *PublishIt*, or any other software that uses standard graphics. It's perfect for creating custom clip-art. Quickie's IIgs software allows you to scan and save 320 or 640 mode images (both a stand-alone program and an NDA are included) and the ProDOS 8 software allows you to scan and save High-Res or Double High-Res images.

The Quickie can take in an image up to 4 inches wide. In normal use it can handle a page-long image (it depends on scanning resolution and the amount of memory you have). The Quickie can be used on all Apple IIs (except the IIc series) and the Laser 128. The Quickie system includes the scanner, a card that plugs into any expansion slot, and the scanner software.

VI-001 Quickie Scanner \$219.95

### Salvation: Utilities

**NEW!**

Vitesse, the company behind the Quickie Scanner, has also produced a complete line of Apple IIgs utilities that use the familiar IIgs desktop interface.

All *Salvation*: products require GS/OS 5.0 (or later) and all require 1 megabyte of memory, except the *Exorciser*, which will run on a 768K machine.

### Salvation: Guardian

This is a full featured GS/OS-based backup/restore program that allows you to backup a hard drive (or just selected folders or files) to 3.5 disks, 5.25 disks, another hard drive, or a specified file. When restoring a volume, you can choose to restore the entire volume or just selected folders or files. A single catalog disk is all that's needed to find out which disk a given file or folder is on.

A unique feature of Guardian is the ability to stop a backup procedure in the middle of it, and continue it at a later time. Also available are macros that allow you to setup different backup options to be run at a later date.

VI-002 Guardian \$37

### Salvation: Renaissance

When you change the size of a file on disk and resave it, it's very likely that the file will become fragmented, or broken. This means the file is saved in different spots on the disk. The more you change, add, or delete files, the more this happens. And that slows down your system. Renaissance optimizes a volume by writing all the files and folders in the order they appear in the directory. By eliminating all the unused blocks between files, you end up with shorter disk access times.

You can also sort directories before optimization. This allows you to put the files that are changed rarely (or never) at the beginning of the directory. This will cut down on the amount of fragmentation that happens.

VI-003 Renaissance \$37

### Salvation: Exorciser

One of the worst things that can happen to a computer user is to find out your system is infected by a virus. Unfortunately, you usually discover this only after your hard drive has been erased, etc. The Exorciser combats computer viruses by detecting and correcting infected systems.

You can check for and correct any single virus, or use the Exorciser utilities to analyze machine language calls in any file. This could help in detecting new virus strains. If you're not into virus-spotting, don't worry. The Exorciser can handle add-on virus check files that will be available from Vitesse, if necessary.

VI-004 Exorciser \$34

### Salvation: Wings

This is a program launcher and disk management utility that gives you 128 single-click buttons. These allow you to launch virtually any program file, including GS/OS and ProDOS system files, binary, EXEC, and Applesoft files. *Wings* allows you to define each of the launch buttons. You can also launch programs from an on-screen list of files. This list is quite flexible because if you choose a graphics file you'll see the picture. If you choose a sound file you'll hear the sound. And if you click on a text or AppleWorks file, you'll pop into a mini-word processor.

The file and volume utilities allow you to copy, move, verify, delete/undelete, and compare. You can also sort directories and format or erase volumes.

VI-005 Wings \$59

## The A2 Hardware Shelf

### Batteries

NO-001 Nite Owl Slide-On Battery Kit for IIgs (see 3/90) \$14.95

### Cables (required with modem or printer)

RC-001 8' cable for IIgs/IIc-Plus (see 1/90) \$15.00  
RC-002 8' cable for older IIc (see 1/90) \$15.00  
RC-003 8' cable for serial cards (see 1/90) \$15.00

### Fans

CTFAN-E CIRTECH Cool-It fan for Apple IIc (see 1/90) \$49.00  
CTFAN-GS CIRTECH Cool-It fan for Apple IIgs (see 1/90) \$49.00

### Math Co-Processors

IS-001 Floating Point Engine (see 4/90) \$249.00

### Modems

CD-002 Modem bundle: SC-001, CS-001, and 1 cable \$169.00  
SC-001 Supra 2400 baud external modem (120 volts) (see 1/90) \$129.00  
SC-002 Supra 2400 baud external modem (220 volts) (see 9/90) \$139.00  
CS-001 Talk Is Cheap & GENie Master software (see 3/90) \$40.00

### Monitors

DC-003 Magnavox RGB Monitor for IIgs (see 9/90) \$349.00\*  
RC-005 IIgs RGB cable for Magnavox monitor \$23.00  
\* 120 volts. Surface shipping to Canada or APO/FPO adrs \$20.00

### Network Connectors

OE-001 ModuNet 8-pin for IIc, IIgs, new Macs (see 1/90) \$34.95  
OE-002 ModuNet 9-pin for old LaserWriters, old Macs (see 1/90) \$34.95

### Printers

LC-001 Laser 190A serial printer (see 1/90) \$249.00\*  
LC-003 Laser 190A parallel printer (see 1/90) \$199.00\*  
LC-006 tractor feed attachment (see 1/90) \$59.95  
LC-007 5 ribbons (also fit Epson LX-series, Olympia NP30) \$14.95  
\* 120 volts. Surface shipping to Canada or APO/FPO adrs \$25.00

### Speakers

DR-002 SVI MA-100 speakers for the IIgs (see 1/90) \$129.00\*  
\* 120 volts. Surface shipping to Canada or APO/FPO adrs \$20.00

### 3.5 Disk Drives

AM-001 AMR 3.5 drive (see 1/90) \$189.00  
AM-002 Laser 3.5 drive controller for IIc (see 1/90) \$59.00

### Internal Hard Disk Drives

CT-CID20 CIRTECH 20-meg internal hard drive (see 5/90) \$695.00  
CT-CID40 CIRTECH 40-meg internal hard drive (see 5/90) \$895.00

### External Hard Disk Parts

CT-SC CIRTECH SCSI card (see 1/90) \$109.00  
AP-001 Apple High-Speed SCSI card (see 5/90) \$119.00  
CV-001 RAMfast SCSI card (see 7/90) \$219.00  
DC-001 Leadman case: 120 or 220V, 60W (see 1/90) \$124.00\*  
RC-004 SCSI cable, drive to SCSI card (see 1/90) \$30.00  
DC-002 Seagate ST-296N-1 80meg SCSI assembly (see 1/90) \$519.00\*  
DC-006 SyQuest removable media hard drive (see 6/90) \$649.00\*  
DC-007 42+-meg cartridge for SyQuest drive (see 6/90) \$119.00  
CD-001 80-Meg hard drive easy-order bundle (see 1/90) \$649.00\*  
includes DC-001, DC-002, RC-004,  
CD-008 42+-Meg removable media bundle (see 1/90) \$874.00\*  
includes DC-001, DC-006, DC-007, RC-004,  
\* Surface shipping to Canada or APO/FPO adrs \$25.00  
\* Surface shipping to other points outside U.S. \$30.00

### Memory Cards

#### CIRTECH StatDisk--for IIc or IIgs standard slots

SD-4 512K (see 10/88) \$389.00  
SD-8 1 Meg \$699.00

#### CIRTECH plusRAM PR-16--for IIc or IIgs standard slots

PR-16-1 1 Meg (see 9/88) \$359.00

#### CIRTECH Primo--for IIgs memory expansion slot

CT-P0 OK (no memory installed) (see 9/90) \$99.00  
CT-P1 1 Megabyte \$169.00  
CT-P2 2 Megabytes \$239.00  
CT-P4 4 Megabytes \$379.00

#### Chinook RAM 4000--for IIgs memory expansion slot

CH-002-0 OK (no memory installed) (see 5/90) \$99.00  
CH-002-1 1 Megabyte \$169.00  
CH-002-2 2 Megabytes \$239.00  
CH-002-4 4 Megabytes \$379.00

### Memory chips

DRAM-1 Set of 8 1-meg chips for PR-16 or GS-8 \$70.00  
SRAM-32 Set of 2 chips for StatDisk (64K) \$30.00



# The A2 Software Shelf

## AppleWorks

JE-008	<i>Outline 3.0 (AppleWorks 3.0)</i>	(see 9/90)	\$39.00
JE-001	<i>FlexiCal (AppleWorks 2.x or 3.0)</i>	(see 7/90)	\$30.00
JE-004	<i>Mr. Invoice (AppleWorks 3.0)</i>	(see 7/90)	\$40.00
JE-005	<i>Pathfinder (AppleWorks 3.0)</i>	(see 7/90)	\$20.00
JE-006	<i>SpellCopy (AppleWorks 3.0)</i>	(see 7/90)	\$12.50
JE-007	<i>DoubleData (AppleWorks 3.0)</i>	(see 7/90)	\$30.00
QC-001	<i>SuperPatch (AppleWorks 2.x or 3.0)</i>	(see 3/90)	\$39.95
BB-004	<i>Beagle AppleWorks 3.0 Companion</i>	(see 5/90)	\$39.95

## Data Base Software

SE-001	<i>DB Master Professional</i>	(see 1/90)	\$245.00
SE-002	<i>DB Master Programmer's Pak</i>	(see 5/90)	\$129.00

## Development Software

SS-007	<i>Genesys (GS/OS Resource Creator/Editor)</i>	(see 6/90)	\$99.00
MD-001	<i>MD-Basic (Applesoft pre-compiler)</i>	(see 5/90)	\$49.95
MD-002	<i>Object Module Manager</i>	(see 8/90)	\$24.95
BB-003	<i>Program Writer (Applesoft program editor)</i>	(see 1/90)	\$37.50
BB-002	<i>Beagle Compiler (ProDOS Applesoft compiler)</i>	(see 1/90)	\$59.00
MS-002	<i>Micol Advanced BASIC for Ile/Ilc</i>	(see 1/90)	\$89.00
MS-001	<i>Micol Advanced BASIC for the IIGs</i>	(see 1/90)	\$99.00
RW-002	<i>Merlin 8/16 (DOS 3.3, ProDOS 8, GS/OS)</i>	(see 1/90)	\$99.00
AW-033	<i>Programmer's Online Companion for the IIGs</i>	(see 1/90)	\$37.50

## Games

JE-002	<i>I.O. Silver (5.25 only)</i>	(see 7/90)	\$20.00
NO-003	<i>Wraith: Devil's Demise (3.5 only)</i>	(see 9/90)	\$12.95

## Graphics

JE-003	<i>MiniPaint (for IIGs)</i>	(see 7/90)	\$25.00
RW-004	<i>Graphics Exchange (for IIGs)</i>	(see 1/90)	\$37.50

## Hyper Media

RW-005	<i>HyperStudio (for IIGs)</i>	(see 1/90)	\$99.95
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## Education

DR-001	<i>Diversi-Tune (for IIGs)</i>	(see 1/90)	\$59.00
SB-001	<i>GSNumerics (for IIGs)</i>	(see 4/90)	\$139.95

## Fonts

FC-001	<i>A2-Central Font Collection</i>	(see 3/90)	\$39.00
<i>8 3.5 disks of fonts in Shrinkit format</i>			

## Telecommunications

CS-001	<i>Talk Is Cheap &amp; GEnie Master</i>	(see 3/90)	\$40.00
TH-001	<i>GEnie Master (requires AppleWorks 2.X)</i>	(see 3/90)	\$20.00

## Utility Software

SS-006	<i>Cross-Works (ProDOS&lt;—&gt;MS-DOS)</i>	(see 4/90)	\$79.95
FD-001	<i>Fastdata Pro (full-text search utility)</i>	(see 1/90)	\$49.95
GB-001	<i>Prosel 8 (for Ile/Ilc; 3.5 disk, 5.25 on request)</i>	(see 1/90)	\$40.00
GB-002	<i>Prosel 16 (for IIGs, includes Prosel 8 features)</i>	(see 1/90)	\$60.00
RW-003	<i>SoftSwitch (program switcher for IIGs)</i>	(see 1/90)	\$45.00
RW-006	<i>MacroMate (universal macros for IIGs)</i>	(see 1/90)	\$37.50
NO-002	<i>Night Owl Journal 3.5</i>	(see 9/90)	\$12.95

# The A2 Paraphernalia Shelf

A2-001	<i>10 generic blank 3.5 disks</i>	(see 6/90)	\$9.49
A2-002	<i>100 blank, continuous 3.5 disk labels</i>	(see 6/90)	\$1.99
A2-003	<i>10 Static-Guard binder storage pages for 3.5 disks</i>		\$9.97

# The A2 Book Shelf

## General Interest Books

### Introductory

TS-001	<i>Bear: Computer Wimp</i>	(see 8/88)	\$9.95
CB-001	<i>Freiberger: The Ilc, Your First Computer</i>	(see 6/88)	\$9.95

### Desktop Publishing

TB-008	<i>Homan: The Print Shop Project Book</i>	(see 12/89)	\$15.95
WG-001	<i>White: Graphic Design for the Electronic Age</i>		\$24.95

### Other

IN-001	<i>Day: The Hacker (novel)</i>	(see 3/90)	\$3.95
IN-003	<i>Menu Software Guide for Apple II</i>	(see 3/90)	\$19.95
BC-001	<i>Price: How to Write a Computer Manual</i>	(see 3/89)	\$33.50
AW-013	<i>Snyder: In Search of Amazing Thing</i>	(see 6/88)	\$10.95
IB-001	<i>Weishaar: Your Best Interest</i>	(see 6/88)	\$9.95

## AppleWorks Books

SY-008	<i>Ericson: AppleWorks, Tips and Techs</i>	(see 6/88)	\$19.95
DS-003	<i>disk for this book</i>	(see 8/88)	\$12.00
IN-004	<i>Wilkin: Best Book of AppleWorks</i>	(see 5/90)	\$21.95
NA-001	<i>Munz: UltraMacros Primer</i>	(see 3/90)	\$19.95
CE-001	<i>Thomas: ClassWorks</i>	(see 8/88)	\$45.00
IN-006	<i>Aron: Using AppleWorks (Que)</i>	(see 6/90)	\$21.95
ME-010	<i>Matthews: AppleWorks Made Easy</i>	(see 7/88)	\$18.95
SY-007	<i>Tymes: Mastering AppleWorks</i>	(see 6/88)	\$21.95
IN-005	<i>Murray: Using AppleWorks GS (Que)</i>	(see 6/90)	\$21.95
AW-027	<i>Brown: Using AppleWorks GS (Add-Wes)</i>		\$19.95

## Working with Printers

### Technical References

AW-008	<i>Apple: ImageWriter II Technical Reference</i>		\$19.95
AW-025	<i>Apple: ImageWriter LQ Technical Reference</i>		\$22.95
AW-028	<i>Apple: LaserWriter Reference</i>		\$19.95
SY-003	<i>Campbell: The RS-232 Solution, 2nd Ed</i>	(see 6/88)	\$21.95
CE-001	<i>East: Handbook of Printer Commands (3 vols)</i>		\$89.95

### Troubleshooting and Repair

HS-004	<i>SAMS Computerfacts: ImageWriter I</i>		\$24.95
HS-008	<i>SAMS Computerfacts: ImageWriter II</i>		\$24.95

## Science/Electronics Books

VS-001	<i>Vernier: Build a Better Mousetrap</i>	(see 7/88)	\$24.95
TB-003	<i>Pellino et al: Science On Your Apple</i>	(see 6/88)	\$14.95
TB-004	<i>Horn: Smart Apples</i>	(see 6/88)	\$12.95

## Working with Classic Apples

### Applesoft

AW-040	<i>Critchfield/Dwyer: Bit of Applesoft *</i>	(see 9/90)	\$9.95
AW-038	<i>Wintermeyer: Applesoft Toolbox *</i>	(see 9/90)	\$9.95
AW-010	<i>Apple: Applesoft Tutorial (w/disk)</i>		\$29.95
AW-021	<i>Apple: Applesoft Programmer's Reference</i>		\$22.95
AW-039	<i>Myers: Graphics for the Apple II *</i>	(see 9/90)	\$9.95
SE-001	<i>Miller: Mastering Applesoft Graphics</i>	(see 6/89)	\$18.95

### Pascal

AW-037	<i>Seiter/Weiss: Pascal for Basic Prgmrs *</i>	(see 9/90)	\$12.95
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### ProDOS 8

AW-024	<i>Apple: BASIC Programming with ProDOS (w/disk)</i>		\$29.95
AW-023	<i>Apple: ProDOS 8 Tech Ref (w/disk)</i>		\$29.95
QS-001	<i>Worth: Beneath Apple ProDOS</i>	(see 8/88)	\$19.95
TB-006	<i>Doms/Weishaar: ProDOS Inside and Out</i>	(see 6/88)	\$16.95
DS-002	<i>disk for this book</i>		\$10.00

### 6502 Assembly Language

AW-012	<i>Finley/Myers: Asm Lang for Applesoft Prgmmer</i>		\$18.95
RW-001	<i>Wagner: Assembly Lines: The Book</i>	(see 6/88)	\$19.95
DS-004	<i>disk for this book</i>		\$15.95
ME-008	<i>Leventhal: 6502 Subroutines</i>		\$19.95

### Technical References

AW-003	<i>Apple: Apple IIe Technical Reference</i>		\$24.95
AW-004	<i>Apple: Apple IIc Technical Reference</i>		\$24.95
LC-005	<i>Laser: Laser 128 Technical Reference</i>		\$29.95

### Troubleshooting and Repair

HS-002	<i>SAMS Computerfacts: Ile</i>		\$24.95
HS-005	<i>SAMS Computerfacts: Ilc</i>		\$39.95
HS-003	<i>SAMS Computerfacts: Disk II</i>		\$24.95
HS-006	<i>Brenner: Apple II Troubleshooting/Repair Guide</i>		\$19.95

\* supplies limited

## Working with the Apple IIGs

### Stack Authoring

AW-034	<i>Apple: Hypercard Stack Design</i>		\$16.95
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### Apple IIGs Technical Library

AW-018	<i>Apple: Technical Introduction to the Apple IIGs</i>		\$9.95
AW-011	<i>Apple: Programmer's Intro to IIGs (w/disk)</i>		\$32.95
AW-022	<i>Apple: Apple IIGs Firmware Reference</i>		\$24.95
AW-002	<i>Apple: Apple IIGs Hardware Reference</i>		\$26.95
AW-019	<i>Apple: Apple IIGs Toolbox Reference, Vol 1</i>		\$26.95
AW-006	<i>Apple: Apple IIGs Toolbox Reference, Vol 2</i>		\$26.95
AW-036	<i>Apple: Apple IIGs Toolbox Reference, Vol 3</i>		\$39.95

### GS/OS, ProDOS 16

AW-020	<i>Apple: ProDOS 16 Reference (w/disk)</i>		\$29.95
AW-026	<i>Little: Exploring Apple GS/OS and ProDOS 8</i>		\$21.95
DS-006	<i>disk for this book (3.5)</i>		\$15.00

### 65816 Assembly Language

CB-002	<i>Wagner: IIGs Machine Lang for Beginners</i>		\$19.95
DS-005	<i>disk for this book (3.5)</i>		\$15.95
SS-005	<i>Lichty/Eyes: Programming the IIGs in Asm Lang</i>		\$29.95
DS-008	<i>disk for this book for APW</i>		\$20.00

### Other Technical References

AW-001	<i>Apple: Apple Numerics Reference (new edition)</i>		\$29.95
AW-014	<i>Apple: Human Interface Guidelines</i>		\$14.95
CB-005	<i>Gookin/Davis: Mastering the IIGs Toolbox</i>		\$19.95
CB-007	<i>Gookin/Davis: Adv Prog Tech for IIGs Toolbox</i>		\$19.95
AW-017	<i>Little: Exploring the Apple IIGs</i>	(see 6/88)	\$22.95
DS-007	<i>disk for this book (3.5)</i>		\$20.00
ME-001	<i>Fischer: Apple IIGs Tech Ref</i>	(see 6/88)	\$19.95

## Working with AppleTalk

AW-030	<i>Apple: Understanding Computer Networks</i>		\$9.95
AW-031	<i>Apple: AppleTalk Network System Overview</i>		\$14.95
AW-035	<i>Apple: Inside AppleTalk</i>		\$34.95
IN-002	<i>Hands on AppleTalk</i>	(see 3/90)	\$21.95

# Subscriptions, Back Issues, Ordering Information

## A2-Central

**A2-Central** (formerly **Open-Apple**) has been published monthly since January, 1985. Single back issues are \$2 each. Bound, indexed annual volumes are \$14.95. A full set of bound volumes and single issues for the current year is available for \$39.

The **Full-Text on Disk** version of our back issues is shipped on 3.5 disks and takes up about 4 megabytes of hard disk storage. Includes text-talking software or use with full-text search software such as *Fastdata Pro* or *Prosel*.

### Bound, indexed back issue volumes

OA-001	Vol. 1	Jan 1985-Jan 1986	\$14.95
OA-002	Vol. 2	Feb 1986-Jan 1987	\$14.95
OA-003	Vol. 3	Feb 1987-Jan 1988	\$14.95
OA-004	Vol. 4	Feb 1988-Jan 1989	\$14.95
OA-005	Vol. 5	Feb 1989-Jan 1990	\$14.95

### Full Set Specials (every issue ever published)

FS-N	All five volumes and current singles	\$39.00
FS-D	Our full text on 3.5 disks	\$39.00

## Stack-Central

**Stack-Central** has been published every other month since January, 1990. Each issue consists of two 800K, 3.5 disks and includes a *HyperStudio* stack containing editor Terry Baker's tips, tricks, and letters from readers for that month. Each issue also includes public domain and shareware stacks. Specific issues contain sounds, xcmds, and other material you can use in your own stacks.

**Stack-Central** back issues are available for \$10 each.

SC-90S1	Semiannual disk set (Jan/Mar/May 90)	\$25.00
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## TimeOut-Central

**TimeOut-Central** has been published every other month since August, 1990. Each issue consists of one 800K, 3.5 disk and includes a column by the editor, Richard Marchiafava, letters from readers, as well as public domain and shareware AppleWorks and TimeOut files.

**TimeOut-Central** back issues are \$10 each.

## A2-Central on disk

**A2-Central** disks have been published monthly since February, 1989. Each 800K, 3.5 disk contains the full text of that month's paper issue and text-taking software for blind subscribers. In addition, specific issues contain Apple system software and technical note updates and the world's best public domain and shareware software.

Listings of the contents of each disk have been published in previous catalogs as shown below:

catalog	disk issues
Aug 89	2/89 to 7/89
May 90	8/89 to 12/89
June 90	1/90 to 2/90
July 90	3/90 to 6/90

Disks are available in 3.5 format only.

### Quarterly sets

Our disks are available in quarterly sets of 3 for \$6 each:

A2-89S1	Quarterly disk set (Feb/March/April 89)	\$18.00
A2-89S2	Quarterly disk set (May/June/July 89)	\$18.00
A2-89S3	Quarterly disk set (Aug/Sept/Oct 89)	\$18.00
A2-89S4	Quarterly disk set (Nov/Dec/Jan 90)	\$18.00
A2-90S1	Quarterly disk set (Feb/March/April 90)	\$18.00
A2-90S2	Quarterly disk set (May/June/July 90)	\$18.00

### Annual sets

Our disks are available in annual sets of 12 for \$5 each:

A2-89FS	Annual disk set (Feb 89 to Jan 90)	\$60.00
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### Subscription conversions

Current newsletter subscribers can convert to a disk subscription. Figure out how many disks you'll get between the first one you want and the month your subscription expires (shown to the right of your address on our self-mailer order form) and send us \$4.75 per disk.

### New subscriptions

By subscription, our disks cost for less than what most user groups charge for public domain 3.5 disks, just 4.67 per disk ((\$84 - \$28) / 12).

## Subscriptions

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We offer one-, two-, and three-year subscriptions to the paper-only version of **A2-Central**, to a paper-plus-3.5-disk version of **A2-Central**, and to the 3.5-disk based **Stack-Central** and **TimeOut-Central**.

Subscription prices	1 year	2 years	3 years
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<b>A2-Central (disk)</b> 12 issues/year, paper & 3.5 disk	\$84	\$162	\$234
<b>Stack-Central</b> 6 issues/year, 3.5 disk only	\$42	\$81	\$117
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Subscription prices include free AIR MAIL delivery world-wide.

## Ordering Information

If you received this catalog in the envelope with our newsletter, there was also a one-sheet self-mailer in the envelope. Your name, address, expiration date, and account number are already imprinted on one side of the self-mailer—on the other side you'll find an order form. Please use it to order stuff from us. When you fold and lick the form as shown, our address will be on the outside and it will be ready to stamp and mail. Please don't send us a photocopy of the form unless you **photocopy both sides**.

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**A2-Central**  
**P.O. Box 11250**  
**Overland Park, KS 66207**

or call us:

Voice: 913-469-6502

Fax: 913-469-6507

# A2-Central Summer Conference Tapes

## Apple IIgs College

ATO-51	50 min	<b>GS/OS &amp; Toolbox Overview</b>
ATO-52	50 min	<b>Programming Strategies (same content as ATO-14)</b>
ATO-53	50 min	<b>Writing the Code</b>
ATO-54	50 min	<b>Debugging (same content as ATO-16)</b>
ATO-55	50 min	<b>Using a Test Plan</b>
ATO-56	50 min	<b>Appletalk (same content as ATO-07)</b>
ATO-58	50 min	<b>Seminar: Graphics</b>
ATO-59	50 min	<b>Seminar: Networking</b>
ATO-60	50 min	<b>Seminar: GS/OS, SCSI</b>
ATO-61	50 min	<b>Seminar: Development Tools</b>
ATO-62	50 min	<b>Seminar: Printing (same content as ATO-20)</b>

## Other Apple IIgs

ATO-01	50 min	<b>Apple IIgs System Software Update</b>
ATO-02	50 min	<b>New Apple IIgs Sound Tools</b>
ATO-03	50 min	<b>Unleashing the Sound of the IIgs</b>
ATO-04	50 min	<b>The Apple IIgs Animation Toolkit</b>
ATO-05	50 min	<b>Apple IIgs Animation Secrets</b>
ATO-06	110 min	<b>Sound and Animation Q &amp; A</b>
ATO-07	50 min	<b>AppleTalk: How to Make the Calls (Apple)Talkin' 'bout My Generation</b>
ATO-08	60 min	<b>Genesys - In The Beginning</b>
ATO-09	50 min	
ATO-10		Session cancelled, no tape
ATO-11	50 min	<b>New Apple II SCSI card</b>
ATO-12	50 min	<b>CD-ROM and the Apple II</b>
ATO-13	50 min	<b>Apple IIgs Media Integration</b>

ATO-14	50 min	<b>Apple IIgs Programming Tips</b>
ATO-15		Session cancelled, no tape
ATO-16	50 min	<b>Advanced Apple IIgs Debugging</b>
ATO-17	50 min	<b>Writing DAs, CDevs, and Inits</b>
ATO-18	50 min	<b>Creating Apple IIgs Device Drivers</b>
ATO-19		Session cancelled, no tape
ATO-20	50 min	<b>Printing and the Apple IIgs</b>
ATO-21	50 min	<b>Toast and the Human Interface</b>
ATO-22	50 min	<b>Working with the Apple IIgs Finder</b>
ATO-23	50 min	<b>Sex, Lies, and File Formats</b>
ATO-24	50 min	<b>IIgs Programming for the 1990s</b>
ATO-25	50 min	<b>Languages &amp; Tools from Byte Works</b>
ATO-26	50 min	<b>Developing with Microware Basic</b>
ATO-35	50 min	<b>Introduction to Debugging</b>

## HyperStudio

ATO-27	50 min	<b>HyperStudio Stack Authoring</b>
ATO-28	50 min	<b>HyperStudio XCMDs</b>

## Cross Development

ATO-29	50 min	<b>2-For-1: Parallel Development</b>
ATO-30	50 min	<b>Working With The Enemy</b>
ATO-31	50 min	<b>Dynamo &amp; Pizzazz</b>

## 8-Bit

ATO-32	25 min	<b>Apple II and ProDOS 8 Update</b>
ATO-33	50 min	<b>8-Bit Development Environments</b>
ATO-34	50 min	<b>Using MD-BASIC</b>
ATO-36	50 min	<b>Stalking the Elusive Auxmem</b>
ATO-37	50 min	<b>Dev Systems for DB Master</b>

## UltraMacros

ATO-38	50 min	<b>Brandt on UltraMacros</b>
ATO-39	50 min	<b>UltraMacros Prgming for Developers</b>
ATO-40	50 min	<b>AWorks Routines from UltraMacros</b>

## Marketing

ATO-41	50 min	<b>Marketing for Small Developers</b>
ATO-42	50 min	<b>Turn Your Software Into Cash</b>
ATO-43	50 min	<b>The Road to Fame &amp; Fortune</b>

## Other

ATO-70	30 min	<b>Jane Lee luncheon speech</b>
ATO-71	50 min	<b>Dev Assn Meeting (Ralph Russo)</b>
ATO-72	50 min	<b>David Szelata luncheon speech</b>
ATO-44	50 min	<b>Laser Computer and Apple Technlgy</b>
ATO-45	50 min	<b>Extending the Life of the Apple II</b>
ATO-46	50 min	<b>Computing for the Handicapped</b>
ATO-47	25 min	<b>Where to Go for Apple Tech Info</b>
ATO-48	50 min	<b>Online Resources for Programmers</b>
ATO-49	50 min	<b>BBS Design and Operation</b>
ATO-50	50 min	<b>Computing in the USSR</b>
ATO-80	50 min	<b>SEA Software Tools</b>

## Tape Prices

number of tapes	price/each
1-5	\$7.00
6-11	\$5.66
12-24	\$5.33
25-49	\$4.96
50+	\$3.98